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XXXII. *Dendroica vigorsii* (Aud.).

The rule "once a synonym, always a synonym" necessitates the rejection of the specific name '*pinus*' for the Pine Warbler, as will be seen from the following account.

Linnæus (S. N. 12 ed. I, p. 187), in 1766, described correctly the Blue-winged Yellow Warbler as *Certhia pinus* basing it upon Edwards's plate 277, upper figure. Misled by the latter author he quotes as a synonym Catesby's plate 61, which is a poor representation of the Pine Warbler. Latham, in 1790, referred the bird described by Linnæus to the genus *Sylvia* calling it *Sylvia pinus*, a name which was adopted by Vieillot, 1807, in his Birds of North America.

Wilson, in 1811 (Am. Orn. III (p. 25)), demonstrated that the birds figured by Edwards and by Catesby are different species. Well aware of the term *Sylvia pinus*, he did not intend it as a new name, but he simply restricted it to Catesby's bird. In this he was wrong, as we have seen above. He should have left the name *Sylvia pinus* with the Blue-winged Yellow Warbler and given a new name to the Pine Creeper, but, instead, he bestowed the new name upon the former, calling it *Sylvia solitaria*. It should also be noted that the two birds were both included by him and subsequent writers in the genus *Sylvia*.

It is evident that *Sylvia pinus* Wilson 1811, nec Latham 1790, cannot stand under any circumstance. Another name being necessary we will have to take the one bestowed by Audubon, in 1832, viz., *Sylvia vigorsii*. The species should in the future be known as

***Dendroica vigorsii* (Aud.).**

SMITHSONIAN INSTITUTION.

Washington D. C., August, 1885.

**DESCRIPTION OF A NEW CARDINAL GROSBEEK
FROM ARIZONA.**

BY ROBERT RIDGWAY.

THE Cardinal Grosbeak from Arizona, hitherto supposed to be identical with *C. igneus* from Cape St. Lucas, proves, on comparison of numerous specimens, to be easily distinguishable.

I therefore propose for it the name *Cardinalis cardinalis superbus*, with the following characters:—

***Cardinalis cardinalis superbus*, subsp. nov.**

SUBSP. CHAR. — Similar to *C. cardinalis igneus*, but decidedly larger, and the female more richly colored.

Adult ♂ in breeding season (No. 98,942, U. S. Nat. Mus., Fuller's Ranch, Arizona, May 30, 1884; E. W. Nelson): Head, neck, and entire lower parts, including lining of wing, pure, rich, scarlet-vermilion, becoming gradually but slightly paler posteriorly. Nape, back, scapulars, rump, upper tail-coverts, wing, and tail, much duller, more brownish, red, the dorsal region tinged or mixed with light grayish brown; terminal portion of primaries clear grayish brown. Chin, upper part of throat, anterior part of malar region, lores, and narrow line from latter to base of culmen, black. Bill deep orange-red (bright vermilion in life); legs and feet horn-brown. Wing, 4.15; tail, 5.00; culmen, .85; bill from nostril, .60, depth at base, .70; tarsus, 1.10; middle toe, .72.

Adult ♂ in winter (No. 61,541, U. S. Nat. Mus., Colorado River, Arizona, Nov. 30, 1871; F. Bischoff): Similar to summer plumage, but all the feathers of the nape, back, scapulars, rump, and the upper tail-coverts conspicuously bordered terminally with brownish gray, and those of the lower parts similarly, but much more narrowly and indistinctly, bordered with brownish white. Wing, 4.15; tail, 5.10; culmen, .90; bill from nostril, .60; depth at base, .70; tarsus, 1.08; middle toe, .75.

Adult ♀ (No 98,944, Tucson, Arizona, Jan. 30, 1884): Head (except capistrum and crest), sides of neck, and lower parts in general, deep tawny buff, the top and sides of the head, and middle of jugulum, much tinged with dull vermilion; crest dull vermilion, the feathers tipped with light brown, or deep grayish buff. Capistrum dull gray, becoming nearly white on chin and upper throat. Lining of wing, including inner edges of remiges, pure light vermilion; tibiæ, crissum, and lower tail-coverts strongly tinged with vermilion. Nape, back, scapulars, rump, and upper tail-coverts uniform grayish broccoli-brown, lighter and more buffy on the nape, all the feathers tinged with dull red beneath the surface. Wings and tail dull brownish red, the greater coverts and tertials broadly edged with the color of the back, the tips of primaries light grayish brown, and rectrices narrowly edged with the same. Bill, orange-red (bright vermilion in life); legs and feet horn-brown. Wing, 3.80; tail, 4.70; culmen, .80; bill from nostril, .52, depth at base, .65; tarsus, 1.00; middle toe, .65.

Another adult female (No. 98,945, Lowell, Arizona, April 2, 1884, E. W. Nelson), has still more red than that described above, the entire top and sides of the head being strongly tinged with this color, as are also the lower throat, jugulum, breast, belly, and lower tail-coverts. The ochraceous-buff of the lower parts is paler, the feathers being somewhat worn and faded.

An adult female in Mr. Henshaw's collection (No. 911, Coll. H. W. H., Gila Co., Arizona, Nov. 18, 1881), differs from either of the National Mu-

seum examples in having but a trace of red on the side of the head, and much less of the same on the jugulum.

The adult males of the two forms which I have been able to examine measure as follows:—

C. igneus.

Museum and No.	Collector.	Sex and age.	Locality.	Date.	Wing.	Tail.	Culm'n.	Bill from nostril.	Tarsus.	Middle toe.	Depth of bill at base.
17087, U. S.	Xantus.	♂ ad.	Lower Cal. (Cape St. Lucas).	.....	3.65	4.40	.85	.55	1.02	.65	.67
12002, "	"	♂ "	"	.....	3.70	4.50	.85	.55	1.02	.65	.65
26510, "	"	♂ "	"	.....	3.70	3.50	.80	.51	1.00	.65	..
26514, "	"	♂ "	"	.....	3.75	4.40	.82	.52	1.02	.65	.62
26538, "	"	♂ "	"	.....	3.70	4.50	.75	..	..	..	..
86317, "	Belding.	♂ "	" (La. Paz).	Dec. 21.	3.80	4.60	.86	.55	1.02	.68	.68
86318, "	"	♂ "	"	.....	3.75	4.50	.78	.53	1.05	.65	.68
87551, "	"	♂ "	" (San Jose).	April 11.	3.65	4.30	.73	.55	1.00	.62	.65
87552, "	"	♂ "	"	" 12	3.65	4.30	.82	.55	1.00	.65	.67
87555, "	"	♂ "	"	" 23	3.70	4.40	.82	.55	1.05	..	.65
908, H. W. H.	"	♂ "	"	" 13	3.60	4.40	.75	.48	0.95	.68	.65
Average,					3.70	4.45	.79	.51	1.01	.64	.66

C. superbus.

Museum and No.	Collector.	Sex and age.	Locality.	Date.	Wing.	Tail.	Culm'n.	Bill from nostril.	Tarsus.	Middle toe.	Depth of bill at base.
49756, U. S.	Palmer.	♂ ad.	Arizona (Camp Grant).	Feb. 20.	4.00	5.00	.85	.55	1.10	.72	.70
49757, "	"	♂ "	"	" 10.	4.00	4.90	.85	.55	1.10	.72	.68
61541, "	Bischoff.	♂ "	" (Colorado River).	Nov. 30.	4.15	5.10	.90	.60	1.08	.75	.70
98942, "	Nelson.	♂ "	" (Fuller's).	May 30.	4.15	5.00	.85	.60	1.10	.72	.70
98943, "	"	♂ "	" (Lowell).	April 2.	4.00	4.60*	.85	.55	1.12	.72	.68
99697, "	"	♂ "	" (Crittenden).	July 15.	4.10	5.10	.87	.55	1.10	.70	.65
910, H. W. H.	"	♂ "	" (Gila Co).	Nov. 18.	4.05	5.10	.85	.57	1.07	.75	.65
Average,					4.11	4.97	.86	.57	1.09	.73	.67

* Plumage very much worn.